

Figure 1A

```

1      60
SEQ ID NO:17  MDTTIDGF-----ADSYEISSTSFVATDNTDSSIVYLA---AEQVLTGP-----
SEQ ID NO: 2  -----
SEQ ID NO: 8  -----
SEQ ID NO:10  MEPFTSHV-----TNAFSDSDSASVEEGGADA-----DA-----
SEQ ID NO: 4  -----
SEQ ID NO:16  MFARSAVVVIAMEPSSITIASSSSYLSNGSSPCSLSLAPPGAGAVAAQAAPVAAGEGGG
SEQ ID NO:12  -----
SEQ ID NO: 6  -----
SEQ ID NO:14  -----

```

```

61      120
SEQ ID NO:17  -----DVSAQLLLSNSFESVFDSPDDE--YSDAKLVLSDGR---EVSFHRC
SEQ ID NO: 2  -----
SEQ ID NO: 8  -----
SEQ ID NO:10  -----DVEALRRLSDNLAAAFRSPEDFAFLADARIAVPGGGGGGDDLHVHRC
SEQ ID NO: 4  -----
SEQ ID NO:16  GGGGGGGSSSVVSLNRLSANIERLLDSD-----LDCSDADVADGGPPVPVHRC
SEQ ID NO:12  -----
SEQ ID NO: 6  -----
SEQ ID NO:14  -----

```

Figure 1B

121	180
SEQ ID NO: 17	VLSARSSFFKSA--AAKKEKDSNNTAAV-----KLELKEI---AKDYEVG
SEQ ID NO: 2	-----
SEQ ID NO: 8	-----
SEQ ID NO: 10	VLSARCPFLPGVPARRAAAAAGGGEDGGE-----RLEPRLGGGGEEVEVG
SEQ ID NO: 4	-----
SEQ ID NO: 16	ILAAIRSTFFYNLFAARGRGDGAAGGGGGGGGGERTGGRFRYKMEELVPGG---FVG
SEQ ID NO: 12	-----
SEQ ID NO: 6	-----
SEQ ID NO: 14	-----
	* * * * *
	*
	**

SEQ ID NO: 17	FDSVTVLAYVYSSRVPPPKGVSECADENCCHVACRPAVDFMLEVLYLAFIFKIPELIT	181	240
SEQ ID NO: 2	-----		
SEQ ID NO: 8	-----		
SEQ ID NO: 10	YEAIRLVLDYLYSGRVGDLFKAACLCVDEDCAHVGCHPAVAFMAQVLFFAASTFQVAELTN		
SEQ ID NO: 4	-DAFLSLLGYLYTGKLRPAPDDVVSCADPMCPHSDCPPAIRFNVEQMYAAWAFKITELIS		
SEQ ID NO: 16	FDAFLSLLGYLYTGKLRPAPDDVVSCADPMCPHSDCPPAIRFNVEQMYAAWAFKITELIS		
SEQ ID NO: 12	-DAFLSLLGYLYTGKLRPAPDDVVSCADPMCPHSDCPPAIRFNVEQMYAAWAFKITELIS		
SEQ ID NO: 6	-----		
SEQ ID NO: 14	-----		

Figure 1C

341
 SEQ ID NO:17 LQGHLLDVLRVVIEDTLVILKLANICGKACMKLLPFCKEIIKSNVEMVSLKSLPEE 300
 SEQ ID NO: 2 -----
 SEQ ID NO: 8 -----
 SEQ ID NO:10 LFQERLLDVLRKVEVONLLILSVANLCNKSCMKLLERCLDMVVRNLDMITLEKSLPPD
 SEQ ID NO: 4 LFQERLLNFVDKTLVEDVLPILQVA-----
 SEQ ID NO:16 LFQERLLNFVDKTLVEDVLPILQVAFHSELT--PVLEKCIFFIARSNLDNVSLDKELPPE
 SEQ ID NO:12 LFQERLLNFVDKTLVEDVLPILQVAFHSELT--PVLEKCIFFIARSNLDNVSLDKELPPE
 SEQ ID NO: 6 -----
 SEQ ID NO:14 -----
 * * * * * * * * * * * * *

301
 SEQ ID NO:17 L---VKEIIDRRKELGLEVPFKV---KHVSNVHKALDSDDIELVKLLLKEDHTNLDAC 360
 SEQ ID NO: 2 -----VRRMRALDAADIELVKLMVMGEGLDLDAAL
 SEQ ID NO: 8 -----PVHEKRVRIHRAALDSDDELVKLLLNESDITLDDAN
 SEQ ID NO:10 V---IKQIIDARLSGLISPENKGFNKHVRRIHRAALDSDDELVRMLLTEGQTNLDDAF
 SEQ ID NO: 4 -----
 SEQ ID NO:16 VAVQIKEIRQKSQPNEGDVTISDPVHEKRVRIHRAALDSDDELVKLLLNESITLDDAN
 SEQ ID NO:12 VAVQIKEIRQKSQPNEGDVTISDPVHEKRVRIHRAALDSDDELVKLLLNESITLDDAN
 SEQ ID NO: 6 -----
 SEQ ID NO:14 -----
 * * * * * * * * * * * *

Figure 1D

361 420
 SEQ ID NO:17 ALHFAVAYCNVYATATOLLKDLADVHHRNPRGYFVLHVAAAMFKEPQLILSLLKGAASE
 SEQ ID NO: 2 AVHYAVZHQGRDVKALLEGAADV-----
 SEQ ID NO: 8 ALHYAASYCDFKVVSELLDLAMANLNKNSPGYTAHLHAAAMPREFPAIMCLLNKGANVSQ
 SEQ ID NO:10 ALHYAVEHCLSKITFELLDLALADVNHPRFGYTVLHIAARPEPKIIVSLLTKGARPAD
 SEQ ID NO: 4 -----
 SEQ ID NO:16 ALHYAAAYCESKVVSELLDLRLANLNKNSPGYTAHLHAAAMPREFPAIMCLLNKGAAVSQ
 SEQ ID NO:12 ALHYAAAYCESKVVSELLDLRLANLNKNSPGYTAHLHAAAMPREFPAIMCLLNKGAAVSQ
 SEQ ID NO: 6 -----
 SEQ ID NO:14 -----
 * * * * * * * * * * * * * * * * *

421 480
 SEQ ID NO:17 ATLEGFTALMIAKQATMAVECNPIEQCKHSLFGPLCVEILEQEDKREQIPRDVPPSFV
 SEQ ID NO: 2 -----
 SEQ ID NO: 8 LTADGFSAGICRRRLTRAKDYNKMEQQQESNFDRLCIDILEREEMMRNPMAVEDAVTSPL
 SEQ ID NO:10 VTFDGFKAVQISKRLTKQGDYFGVTEEGKPSYDRLCIEILEQAEPRDPQLGEASVSLAM
 SEQ ID NO: 4 -----
 SEQ ID NO:16 LTADGQSAMSICRRRLTRMKDYNKMEQQQESNFDRLCIDILDREMIKPMAVEDSVTSPL
 SEQ ID NO:12 LTADGQSAMSICRRRLTRMKDYNKMEQQQESNFDRLCIDILDREMIKPMAVEDSVTSPL
 SEQ ID NO: 6 -----
 SEQ ID NO:14 -----
 * * * * * * * * * * * * * * * * *

Figure 1E

481
 SEQ ID NO:17 AADLELNTLLDLENFVALAQRLLFFTEAQAAMEIAEMFGTCEFI VTSLEFDLTLTGKRTSP 540
 SEQ ID NO: 2 -----
 SEQ ID NO: 8 LADDLHMKLLYLENRVAFARLFFPAEAKVAMQIAQADTTTEFG -GIVAVAASTSGKLREV
 SEQ ID NO:10 AGESLFGRLLYLENPVALARIMFPMEAFVAMDIAQVDGTLFNLCS-GANPPPERQRTTV
 SEQ ID NO: 4 -----
 SEQ ID NO:16 LADDLHMKLLYLENPVAFARLFFPAEAKVAMQIAQADTTPEFG--IVPAASTSGKLKEV
 SEQ ID NO:12 LADDLHMKLLYLENRVAFARLFFPAEAKVAMQIAQADTTPEFG--IVPAASTSGKLKEV
 SEQ ID NO: 6 LADDLHMKLLYLENRVAFARLFFPAE-----
 SEQ ID NO:14 LADDLHMFLSYLENFVAFARLFFPAEAKVAMQIAQADVTPEVG-GFSA--ASTSGKLREV
 * * * * * * * * * * * * *

541
 SEQ ID NO:17 GVKIAFFRILEEHQSRKALKSKTVELGKRRFFPFCSAVLDQIMN---CEDLTQLACGEDDT 600
 SEQ ID NO: 2 -----
 SEQ ID NO: 8 DLNETPVTQNKFLRSRVDALMKTVELGRRYFPNCSQVLDKFLFEDLPEGLDQFYLRGTA
 SEQ ID NO:10 DLNESFFIMKEEHLARMTALSKTVELGKRRFFPFCSNVLDKIMD---DETDPVSLGRDTS
 SEQ ID NO: 4 -----
 SEQ ID NO:16 DLNETPVTQNKFLRSRVDALMKTVELGRRYFPNCSQVLDKFLFEDLPLDS PDALDLQNGTS
 SEQ ID NO:12 DLNETPVTQNKFLRSRVDALMKTVELGRRYFPNCSQVLDKFLFEDLPLDSPDALDLQNGTS
 SEQ ID NO: 6 -----
 SEQ ID NO:14 DLNETPVTQNKFLRSRVDALAKTVELGRRYFPNCSQVLDKFLFEDGLPDGLDAFQQQSGTP

Figure 1F

601	SEQ ID NO:17	ASPPILQKKQPRIMEIQETLTKAFSEDNLELGNSSSLTDSTSTSFSTGGKPSNRKLSHRPR	659
	SEQ ID NO: 2	-----SR	
	SEQ ID NO: 8	DEQPV-KPMPECELKEDVLKAFSEDKAEGSVFSGLSSSSSCS-----PPQKYAQR--	
	SEQ ID NO:10	AERF----KRFHDLQDVLQKAFHEDKEENDRSGLSSSSSSTS--IGAIRP-----RR	
	SEQ ID NO: 4	-----	
	SEQ ID NO:16	DEQNV-KPMPECELKEDVRKAFSKFRADNSMFSILSSSSSSS-----FPPKVAKK--	
	SEQ ID NO:12	DEQNV-KPMPECELKEDVRKAFSKFRADNSMFSILSSSSSSS-----	
	SEQ ID NO: 6	-----	
	SEQ ID NO:14	DEQNV-KEMPECEVKEDVPKAYSFLTADNSMFSALSSNSSSS-----	
		* * * * *	